

December 12, 2017
State of Montana – Department of Justice
Natural Resource Damage Program
Invitation to Bid
Racetrack Pond Fishing Access Site and Habitat Improvement
Project No. 700103

PRE-BID QUESTIONS AND NRDP ANSWERS:

1. A question regarding a substitute for the current SC6.05 property insurance was issued to NRDP. The question requested to substitute an Installation Floater instead of the property insurance required in the Bid Document.

An Installation Floater is not the same as the required property insurance and therefore a substitute is not acceptable to NRDP for this project. An installation floater has narrower coverage than a builder's risk policy.

2. Do you know the approximate volume of water that is in the pond currently?

Yes, approximately 420 acre-feet.

3. Regarding bid item #8 Dewatering Sump Operation 450 Units, can you explain what the 450 units represent, and how it will be measure(d)?

A dewatering unit consists of pumping from the pond and discharging to the river using any combination of pumps at a rate of 500 GPM for 24 hours. If for example, the contractor were to pump 1,000 GPM for 24 hours, this would be the equivalent of 2 pumping units and would be paid as such. If the contractor were to pump 7,500 GPM for 24 hours, this would be the equivalent of 15 pumping units and would be paid as such. If for example, the Contractor pumped 2,300 GPM for a period of 24 hours, this would be the equivalent of 4 pumping units (no payment would be made for the 300 GPM above 2,000 GPM). If the Contractor were to pump 1,500 GPM for 23 hours and then shut down (either on purpose or due to some unforeseen incident), this is the equivalent of zero pumping units.

4. Regarding bid item #3 Debris Removal, Clearing & Grubbing, are there any known contaminated soils, asbestos, or heavy metals? Do you have a guess of how much Debris will be required to go to the Landfill?

It is not anticipated that any contaminated soils, asbestos or heavy metals will be encountered as part of the Work. An old abandoned septic system drain field and the debris from the existing outlet structure are anticipated to be encountered as part of the Work and will require disposal at a landfill.

5. Regarding bid item #3 Debris Removal, Clearing & Grubbing, the measurement and payment item says all vegetative material greater than one inch in diameter shall be stacked and placed incorporated into the final grading. Will the vegetative material need to be screened? What will happen with the material that is smaller than one inch in diameter?

Screening will not be necessary. The material can be visually segregated. Vegetative material smaller than one inch in diameter shall be disposed at a licensed solid waste facility.

6. Regarding bid item #11 Regrade Pond, how will this item (be) measured and payment work? How was the 179,000 cy derived? Who will be responsible for measurement of Quantities for payment? Will electronic files be available at bid time?

This item will be measured by the difference in volume between a surveyed pre-excavation surface and the final graded surface. The 179,000 cy was estimated as the difference between a pre-excavation surface surveyed using a combination of Light Detection And Ranging (LiDAR) and topographic survey data above the water surface and a subsurface sonar survey of the bottom of the pond and the design final grade. The Engineer and Surveyor will conduct a survey of the pond bottom as the pond is dewatered by the Contractor to serve as a better surface prior to excavation. Electronic files of the existing surface and the design final surface were provided to all contractors on December 6, 2017.

7. Please provide the offered information per “00200 INSTRUCTIONS TO BIDDERS, ARTICLE 4.02 EXISTING SITE CONDITIONS” on page 2 of 13.

All applicable reports, drawings, and supplemental information was provided December 6, 2017, during the bidding process.

8. Section 99996 indicates ha(n)d railing for the ADA Platform Deck will be Hot-dip galvanize, however, page D4 of the drawings indicate Painted Steel Pipe, which is correct?

The hot dip galvanize treatment is referring to the steel beams (W6x25) in the platform structure. The 2” diameter railings should be painted steel.

9. Will contractor be required to conduct any special traffic control for haulage from the Beck Borrow Area?

Contractor shall provide all necessary traffic control to complete the Work. All applicable Montana Department of Transportation (MDT), Powell County or the City of Deer Lodge (if necessary) regulations, specifications and guidance shall be followed in the execution of the Work.

10. The frontage road is under weight restrictions, is there an alternate haulage route, which will allow for soil to come from Beck Borrow to the Job Site?

The Contractor is responsible for determining appropriate haulage routes based on the Contractor's equipment. All applicable Montana Department of Transportation (MDT) Powell County or the City of Deer Lodge (if necessary) regulations, specifications and guidance shall be followed in the execution of the Work.

11. Will the State Survey the Existing Surface as dewatering progresses or rely on the pre-construction data for yardage calculations?

The State will survey the existing surface of Racetrack Pond as dewatering progresses. This information will supplement the preconstruction data and will be used as the basis for estimating pay quantities.

12. Will the Dewatering work be allowed after April if the water levels are manageable?

No, all work that requires dewatering must be completed prior to April 15th.

13. What will be the Cut off date to start Construction this season if the Discharge permits are not Readily available from the DEQ?

Assuming that the Contractor prepares the Dewatering Plan, Notice of Intent for the construction dewatering activities, Stormwater Pollution Prevention Plan (SWPPP) and Notice of Intent for Stormwater Discharges Associated with Construction Activities in a timely manner, the approval from DEQ will be obtained in time to perform the Work.

14. Would a Cast in Place Concrete Boat Ramp Be an Acceptable option?

It would depend on the design of the slab (thickness, reinforcing steel, type of concrete, surface finish). An alternate design would need to be stamped by a professional engineer and performed at the same unit cost as identified on the bid sheet.

15. Is the Contract time for Working Days or Calendar Days?

Calendar Days.

16. Can the ADA Fishing Platform be a bolt together system instead of all welded together? The galvanizing companies do not have a tank large enough to dip such a large product. Shipping will also be cheaper.

Alternate designs (bolting instead of welding) would be considered if a design stamped by a professional engineer is provided. The specifications allow for pieces of the platform to be hot dipped then welded. Welds must be painted with zinc rich paint.

17. What is the diameter of ADA fishing platform foundation piers?

24 inches.

18. Sheet D-1, notes 11, 12, and 13 call for geofabric Permeatex 4040. Suppliers say there is no such product. Please clarify.

Permeatex 4040 does exist according to Northwest Linings. It is a 4 oz./SY nonwoven geotextile.

19. The sod mats will most likely be frozen. Will line item #25 pay for ground thawing? If harvest is successful, is it a change order for new sod mats?

No ground thawing will be paid for. Sod mats will be salvaged, placed in the temporary staging area, and transplanted to final location regardless of ground conditions. NRDP understands that frozen ground conditions may result in non-uniform sod mats and placement. The contractor will not be held responsible for poor sod mat transplant success that may occur as a result of moving sod mats when frozen. New sod mats will not be required.

20. Is there a price for the Beck borrow materials?

The Beck Borrow Area is owned by the State of Montana. Beck Borrow material is supplied for this project at no cost to the Contractor.

21. What is the total affected acreage area for SWPPP permit?

Approximately 78 acres.

22. What is the length required for the wheel stops?

72 inches minimum.

23. Please identify required permits. Who pays for them since you are already applying for many of them?

NRDP has obtained a Nationwide 404 permit and a short-term water quality standard for turbidity related to construction activity (318 Authorization). NRDP is in the process of obtaining a Powell County Conditional Use Permit, Powell County Floodplain Permit, and a Sanitation Permit. The Contractor is responsible for preparing the Dewatering Plan, Notice of Intent for the construction dewatering activities, Stormwater Pollution Prevention Plan (SWPPP) and Notice of Intent for Stormwater Discharges Associated with Construction Activities.

Any additional permits required to perform the Work and cost of obtaining the permits are the responsibility of the Contractor.

24. Do we need to remove the existing stockpiles on site to reclaim the staging area?

The existing stockpiles do not need to be moved to reclaim the staging area, they will be removed via Other Work.

25. Does the owner have something specific in mind in “Mobilization, Site Security”?

The Work area will be closed to the public during construction activities. It will be the responsibility of the Contractor to protect equipment on-site and in the staging area during construction.

26. Is a job trailer required?

A job trailer for the engineer/owner is not required. It is the Contractor’s choice as to whether a trailer is needed for their own operations.

27. Is there site power for engine block heaters?

No.

28. Must steel and other products be American made?

No.

29. There are two prices for “unit pay” on dewatering, 500 GPM and 1,000 GPM. Please clarify.

Please see the response to Question No. 3.

30. What is width of Outlet Channel at the base?

Two feet at the base, please see Addendum No. 1, Sheet C6.

31. Specs say the surface water of pond is 420 acre-feet. Please verify this is correct.

The approximate volume of surface water in Racetrack Pond is estimated to be 420 acre-feet.

32. Would Forterra’s CC-45 Cable Concrete be an acceptable alternative to the Armorflex specified in the project plans given that the weight per square foot is the same? 8 oz non-woven geotextile attached to the bottom of the articulated block mattress. I attached the hydraulic report from St. Antony Falls Lab and a brochure.

The CC-45 is an acceptable substitute for the Armorflex Blocks. The US NW205 fabric is an acceptable substitute for the Ten Cate Mirafi 180N. The fabric cannot be “attached” in any way to the blocks.

33. Bid Item 11: For the measurement and payment of the pond regrade, how is the pre-grading surfaced to be surveyed? How was original underwater surface surveyed? How accurate is this survey?

Please see the response to Question No. 6.

34. Bid Item 12: The piping for the inlet and outlet sides of the Pond outlet structure; is this pipe to be bedded or backfilled with native backfill?

The pipe is required to be bedded. Please see Addendum No. 1, Section 02221 for Technical Specification relating to bedding requirements.

35. Bid Item 12: The compacted materials around and under the outlet structure; can this be native material compacted, class 1, or screened gravels?

Refer to Section 02280 Part 2.1 A.

36. For the hauling of Beck borrow material, is contractor responsible for road grading of county roads, shared responsibility with owner, or is county to maintain roads?

Please see the response to Question No. 10.

37. Are flaggers required for the beck borrow haul?

Please see the response to Question No. 9.

38. Are there restrictions to working hours and days?

Please see Article 7 – Contractor's Responsibilities, Section 7.02.

39. (Who) How is responsible for the removal of the class 2 material already stockpiled on site and will the selected contractor be expected to help with the haul off of class 2 or have to allow access to the hauling contractor?

Contractor will be required to coordinate with other contractors responsible for hauling excess Type I and Type II materials.

40. Can you provide the bore logs if there are any for the site?

A geotechnical report with drilling results was transmitted to all the contractors at the Pre-Bid meeting on December 6, 2017.

41. Is there an engineer's estimate?

NRDP does not provide the engineer estimate during the bidding process.

42. Will you supply a Detail for the Gravel Trail?

Please see Addendum No. 1. Detail 4, Gravel Trail Typical Section has been added to Sheet D2.

43. Is the outlet Channel Excavation quantity (CY) included with the Pond regarding cubic yards?

Yes.

44. Who will be responsible for removing any fish that may be in the pond?

It is highly likely that there will be fish in the pond; however, no fish removal is anticipated. An objective of this project is to have no fish survive the construction in order to allow fish managers to restock the pond with desirable fish after the project is complete. FWP will monitor the drawdown of the pond, but does not expect any significant construction delays relative to fish removal.

45. If there are any fish in the pond. Will the contractor be given any extra days while the Fish are being removed from the pond?

Please see the response to Question No. 44.

46. Will we have to push/remove snow prior to excavating and placing soils?

It is the Contractor's responsibility to perform the Work in accordance with the specifications. Please see Section 02210 – Fill Materials and Placement Requirements. "Material shall not be frozen when placed. Material shall not be placed on ice. Material shall not be placed on frozen material unless directed by Engineer. Frozen material shall be scarified, disked, or otherwise made suitable to receive subsequent fill and provide an acceptable bond between lifts, as approved by Engineer."

47. Will the contractor be compensated if it is required to remove any snow?

It is the Contractor's responsibility to perform the Work in accordance with the specifications. No additional compensation or payment shall be made for snow removal.

48. Will the contractor be required to install temporary safety fence along all of the dewater trenches?

No.

49. What material is the outlet structure Flash Boards made of?

Treated dimension lumber.

50. Section 02910, part 3.3 care of seeded areas. As the project should be completed before we will see any vegetative growth in this area. Can this section of the specs be removed?

No.

51. Section 02210, Fill Materials and Placement Requirements. Part 3.3, A. General Backfill, #4. Being as this project will take place during some of the coldest part of the year. Can #4 be removed from the specs?

No.

52. If this part cannot be removed, how do you propose that all of this area be kept from freezing?

It is the Contractor's responsibility to perform the Work in accordance with the specifications.

53. Is the Sump dewatering unit based on 1,000 GPM or 500 GPM?

Please see the response to Question No. 3.

54. The walking path width is not identified. Please clarify.

The walking path is 5 feet wide. Please see Addendum No. 1. Detail 4, Gravel Trail Typical Section has been added to Sheet D2.

55. There is an irrigation ditch that runs along the west side of the pond. Can we discharge to that for the initial pond dewatering?

No.

56. Are you going to require that the contractor has a flow meter on my discharge pipe for payment of dewatering or will a pump performance curve be enough?

Engineer may require documentation of pump capacity such as pump rating curves or flow meters to demonstrate pumping capacities. It will be the responsibility of the Contractor to maintain documentation of pumping capacities. Pumping capacities will be verified by Engineer.

57. Under section 02120 Construction Dewatering Part 1.5 A 1 you mention "The pond contains a large amount of surface water (approximately 420 acre-feet) which must be evacuated". I interpret this as being the total approximate volume in the pond; is this correct?

Yes.

58. Is this a sound sensitive area? In other words, will my pumping equipment require sound attenuation?

No.

59. We will have a backup pump onsite but does it need to be plumbed in to the main discharge line for immediate use?

No.

60. Can the CAD drawing for the grading be issued for estimating purposes of the earthwork?

CAD drawings were given to the Pre-Bid Conference attendees on December 6, 2017.